

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method and system for forming a
5 protective cushion to slow down evaporation and prevent clogging in an
inactive ink-jet printhead by
a) heating ink-jet ink in the at least one ink firing chamber, the ink
separating into an organic surfactant phase and an ink colorant phase;
and
10 b) forming the protective cushion at the at least one nozzle by allowing
the organic surfactant phase to settle as a layer covering the opening of
the at least one nozzle in the at least one ink firing chamber.

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